ABSTRACT

The present invention relates to (meth)acrylamide monomers of the formula:

$$\bigcap_{R} \bigcap_{OH} \bigcap_{OH} \bigcap_{SiR^2R^3R^4}$$

wherein R is H or CH₃, R¹ is selected from H, substituted and unsubstituted alkyl groups having 1 to 8 carbon atoms, substituted and unsubstituted benzene and toluene groups and

$$CH_{2} \longrightarrow CH_{2} \longrightarrow SiR^{2}R^{3}R^{2}$$

5

15

and R², R³ and R⁴ are independently selected from alkyl groups having 1 to 8 carbon atoms, substituted and unsubstituted benzene and toluene groups, and –OSiR⁵R⁶R⁷ wherein R⁵, R⁶ and R⁷ are independently selected from the group consisting of straight or branched alkyl groups having 1 to 4 carbon atoms. Polymers made therefrom are also disclosed.